

## ABSTRACT

An objective, service-level specific voice call  
5 listening quality test scheme for a Voice Over IP (VOIP)  
network is presented. Test probes are deployed along the  
border of the VOIP network. Each test probe is capable of  
placing calls over the VOIP network to the other test probes at  
different levels of service and measuring call quality using an  
10 objective measurement algorithm such as PAMS or PSQM. The  
measurement results are collected on an ongoing basis to obtain  
information on the VOIP network's voice call quality. The  
information is compared to thresholds to measure performance  
against Service Level Agreement guarantees.

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